

HINGE DEVICE FOR A ROTARY MEMBER OF AN AIRCRAFT ENGINE

Abstract

A hinge device for a rotary member of an aircraft engine having a conduit housing the rotary member and for conducting a stream of gas, and a cavity outside the conduit and for receiving a mass of air having, in use, a higher pressure than the conduit; the device having a seat formed in a platform interposed between the cavity and the conduit, and a pin integral with the rotary member and engaging the seat to rotate about an axis; the pin is cooled by a stream of air, which flows inside a passage having an inlet which comes out inside the cavity, an outlet which comes out inside the conduit, and at least one number of channels formed outside the pin and spaced angularly apart; and part of the passage is formed on a collar portion fitted to the pin to calibrate the flow of air inside the passage.